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REDROW

Hip Smarthome - Systems User Manual

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1. Hip SmartHub – Connection / Setup

The Hip SmartHub houses your Broadband Router and distributes your internet connection to three hardwired connection points (Ethernet sockets) around your home.

To begin, you will need your Broadband Router from your chosen Internet Service Provider.

1.1. Setup Guide

1.1.1. Remove the cover from your SmartHub by inserting your fingers through the openings on either side of the cabinet and gently pulling apart and towards you. The cover will come away from the base.

1.1.2. Inside the SmartHub should be 3 x Ethernet Patch Cables. Remove these and pull apart the Velcro Strap.

1.1.3. Take the 3 x Ethernet Patch Cables and Plug them into the 1st 3 sockets (left to right) on the Patch Panel in the back of your SmartHub. Both ends of the Patch Cables are the same, so either end can be plugged in to the Patch Panel. The Plugs go in from underneath by pushing back the spring loaded tabs. The small clip on the plug should be facing towards you. Insert the plug upwards into the socket until you hear it click.

1.1.4. Once you've inserted the 3 x Patch Cables into the Patch Panel, take your Broadband Router and plug the other end of the Patch Cables into the sockets on your Router labeled Ethernet (there will normally be 4 ethernet sockets on your Router, any three of the 4 will do).

1.1.5. Make the other connections for your Router as described in the instructions which came with it. There should be a cable for the phone line / adsl connection and also for power. You should find your Master BT point is located within 1 metre of your SmartHub.

1.1.6. Place your Router inside the SmartHub being careful not to bend the Patch Cables too tightly. Secure the Router inside the SmartHub with the Velcro strip provided.

1.1.7. Refer to the setup instructions which came with your Broadband Router to establish that your Router and Broadband Service are working Wirelessly before continuing.

1.1.8. Once you have established that your Router and Broadband Service are operating, you can begin to connect your devices (Smart TVs, Computers, Games Consoles etc) to the Ethernet Sockets provided in your home.

There should be 1 Socket in the Lounge, 1 in the Kitchen / Family Area and 1 in the Master Bedroom.

1.1.9. To connect your device to the Ethernet Socket you will need a patch cable (otherwise known as Ethernet Cable or RJ45 Cable). These are available at most PC / TV shops and many devices are now supplied with one.

1.1.10. Plug one and into the wall socket and the other into the Ethernet Socket on your device. Refer to your devices instructions to locate the socket.

1.1.11. Refer to the instructions for your device for setting up its network connection. With a wired connection such as this, most devices won't actually need any settings changing and should work automatically.

1.1.12. Test the device either through the Test Network option within the devices settings menus or simply by using a service on that device which requires the internet. So for example, if you are plugging in your Smart TV, you can test it by trying to use the Catchup Services such as BBC IPlayer etc.

1.1.13. Repeat steps 10-12 for each device you wish to connect.

1.1.14. Once you have established that each device is working, you can replace the SmartHub cover by sliding it back into place.

2. Hip SmartTV – Connection / Setup

The Hip SmartTV distributes your internet connection to six hardwired connection points (Ethernet sockets) around your home.

To begin, you will need to have installed your Broadband Router and Hip SmartHub as described above.

2.1. Setup Guide

2.1.1. Remove the cover from your SmartTV by inserting your fingers through the openings on either side of the cabinet and gently pulling apart and towards you. The cover will come away from the base.

2.1.2. Inside the SmartTV should be 1 x Ethernet Patch Cable. Take the Patch Cable and insert one end into one of the spare Ethernet Ports on the Network Switch inside the SmartTV cabinet. Plug the other end into your Router. There is a knockout hole in the top and bottom of the cabinets which can be used to feed the cables through.

2.1.3. Once connected, power up your Network Switch at the Mains socket and your Ethernet Sockets will now be live.

2.1.4. Repeat Steps 9-13 above.

2.1.5. Once you have established that each device is working, you can replace the SmartTV cover by sliding it back into place.

3. Hip SmartMusic – Connection / Setup

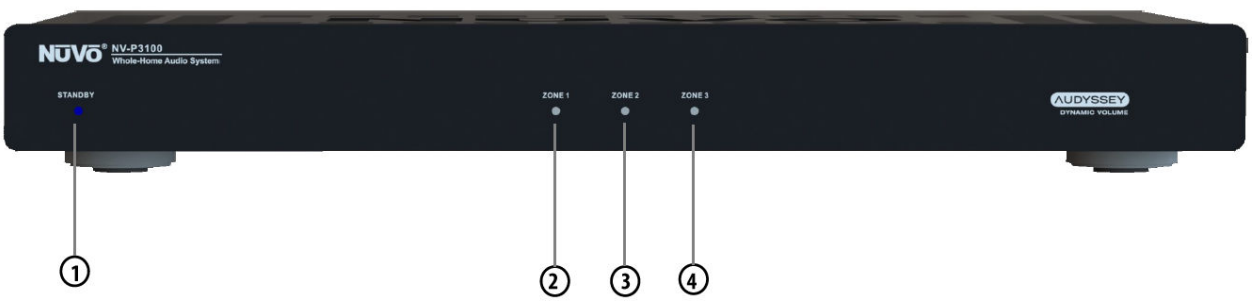
3.1. Setup Guide

3.1.1. Before you can operate your music system, the system electronics contained inside the Hip SmartMusic cabinet must be connected to a working Broadband Router, or if you have opted for Hip SmartTV, to the Network Switch inside the Hip SmartTV cabinet, which in turn is connected to your Router as described above

3.1.2. Remove the cover from your SmartMusic cabinet by inserting your fingers through the openings on either side of the cabinet and gently pulling apart and towards you. The cover will come away from the base.

3.1.3. Inside you will see the Nuvo system electronics.

Fig.1



Front Panel :

(1) Power Indicator
(2) Zone 1 Status Light – Living Room (see troubleshooting)
(3) Zone 2 Status Light – Kitchen (see troubleshooting)
(4) Zone 3 Status Light – Master (see troubleshooting)

3.1.4. From the back of the Nuvo unit will come an Ethernet Cable. This can be plugged into either one of the Ethernet Sockets on the back of the Nuvo device. The other end of this cable needs to be plugged into your Router or if you have it, the Network Switch inside your Hip SmartTV cabinet.

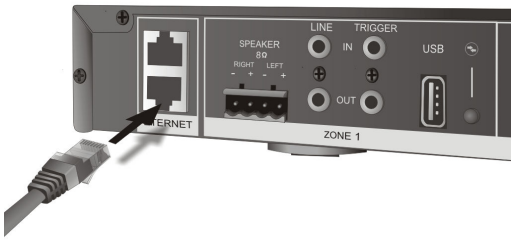
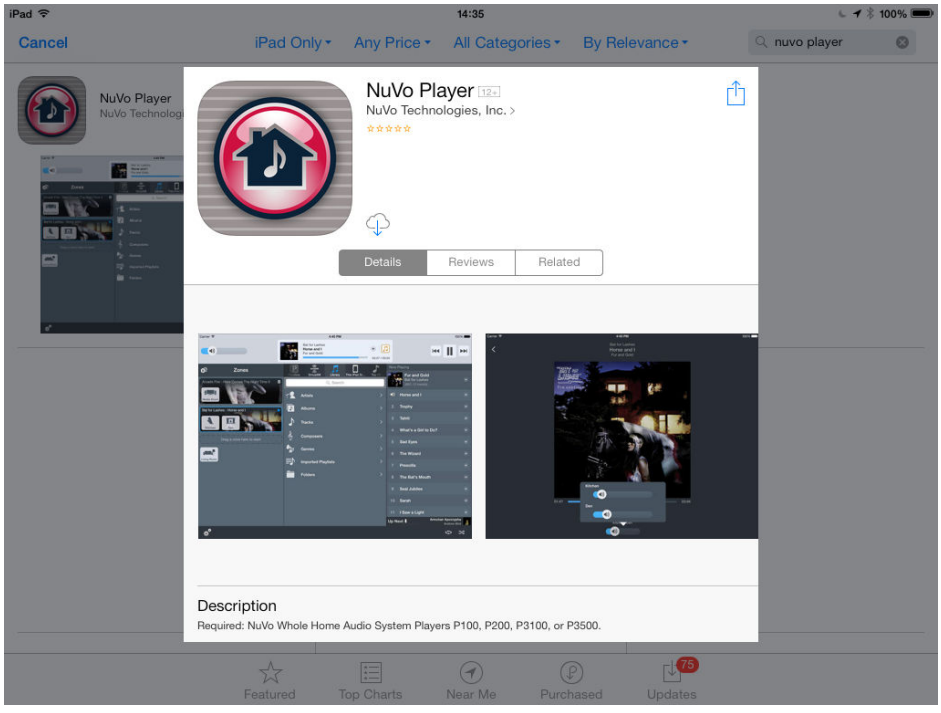


Fig.2

3.1.5. To begin setting up your Hip SmartMusic system, you will need one of the devices with which you intend to operate the system. Any Apple IOS Device* (eg, IPhone, IPad, IPod Touch etc) or Android Device can be used.

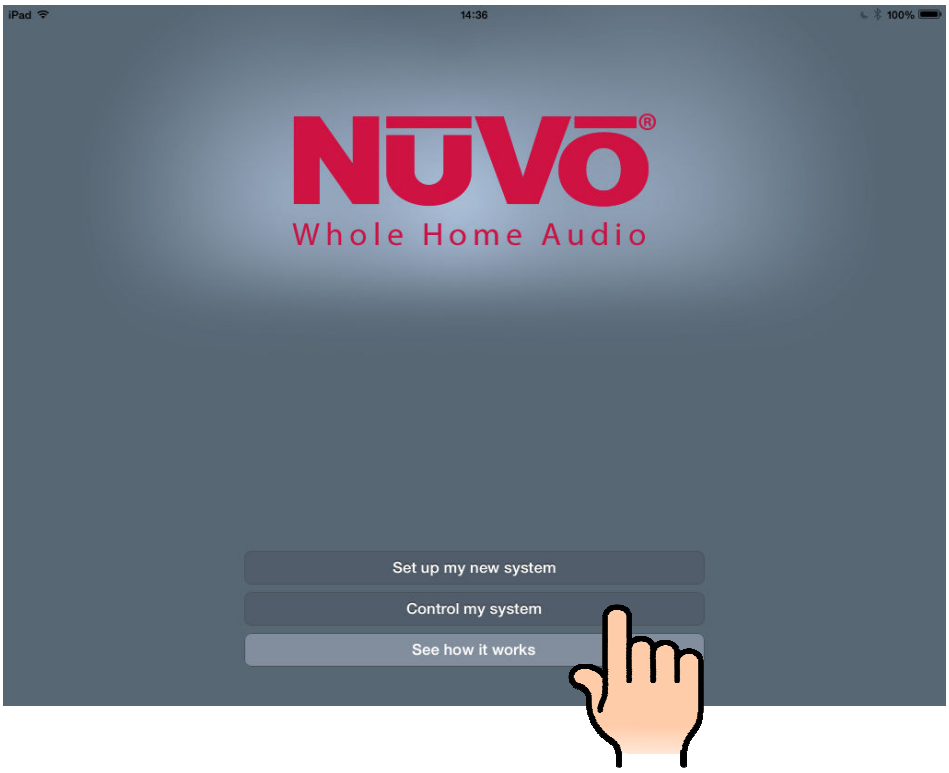
3.1.6. Make sure your device is connected via WiFi to your Broadband Router. Open up the App Store for your device and search for the Nuvo Player app. Download and **Install the App on your device**. ***Please note that the IOS app will not run on older devices which do not support IOS5 or later versions.**

Fig.3



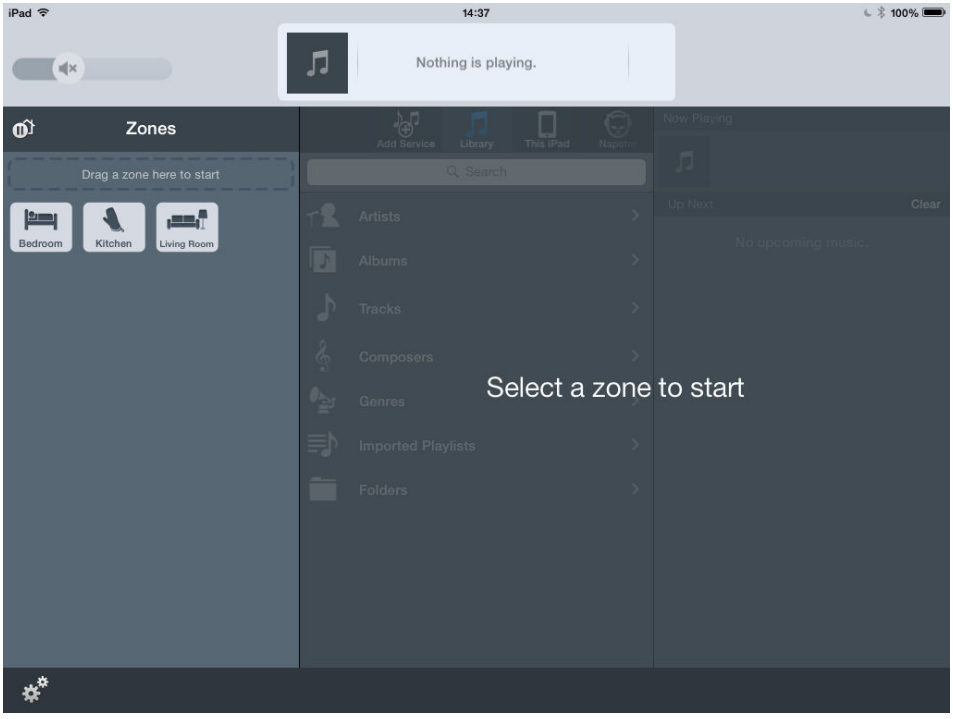
3.1.7. The system has been pre-configured for you, so simply **select Control my system**

Fig.4



3.1.8. After a few seconds your screen should look like this (if not see trouble shooting)

Fig.5

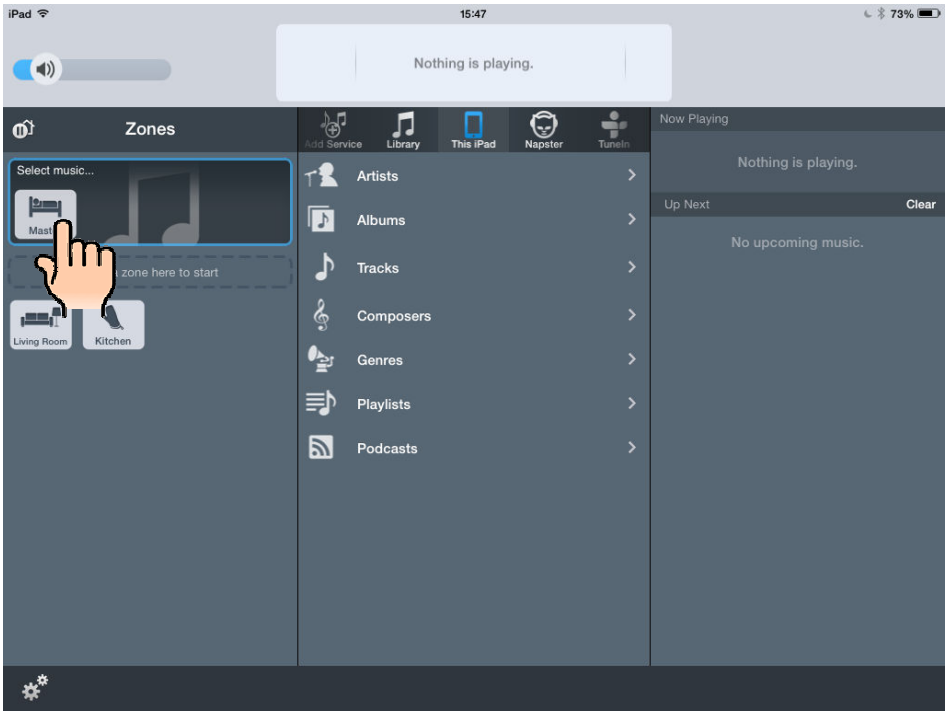


3.2. Using the App

The iOS and Android apps offer complete system control wirelessly from any compatible Wi-Fi enabled phone or tablet. The iOS version is available for free download from the iTunes App Store and the Android version is available from Google Play. Both versions offer the same look and control options. When used with tablets, the display is nicely optimized for a view of the complete system operation on one screen.

3.2.1. System control begins with the Dashboard. Each of the zones are represented by an icon on the left hand side. Your initial selection is done by dragging and dropping a zone into a new zone group, as shown below. This can also be done by simply tapping an inactive zone. Once a music selection is made, the related album art and now playing information will appear in the zone group. Zones can play music individually or you can share music by dragging and dropping multiple zones into a single group.

Fig.6



3.2.2. To deactivate a zone and stop the music playback on that zone, simply drag the icon back into the open dashboard area below the zone groups.

3.3. Music Selection

3.3.1. When a zone group is activated by moving a zone icon into the zone group field (see fig. 6),the app will go to the music navigation pane. From there, any streaming service, personal music libraries, Direct Stream or local line in sources can be selected for playback. The available music choices are visible in a music selection ribbon. As you scroll across the selections with your finger, the active choice will be highlighted and the display will change accordingly.

Fig.7

3.4. Direct Stream – Play from the content on your IOS or Android Device

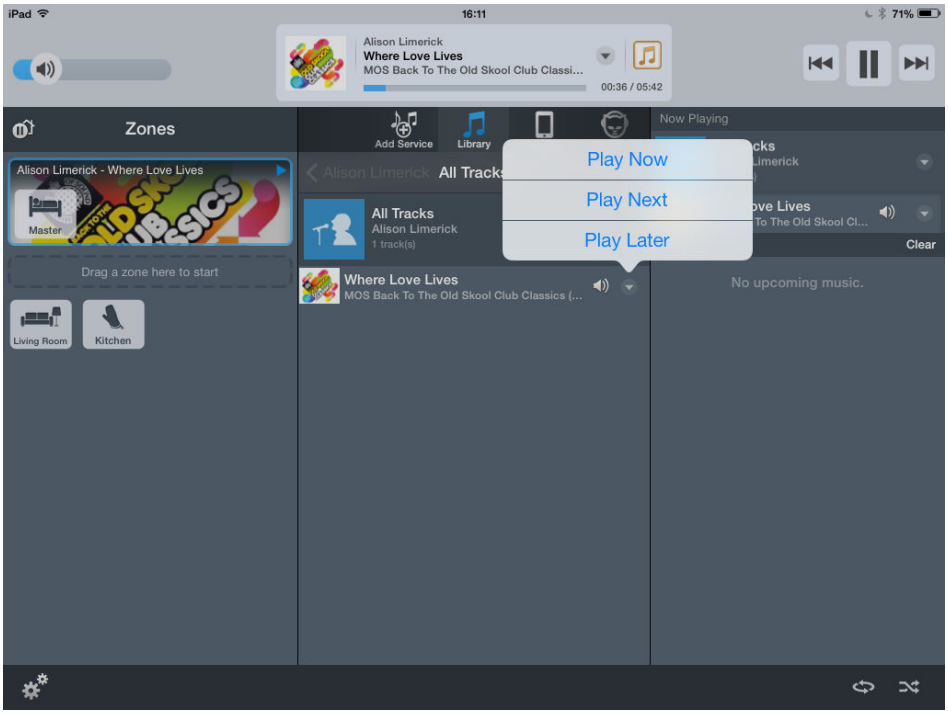
3.4.1. If audio files such as MP3, AAC, FLA(or other audio files are resident on the smart device they can be streamed directly to the system by selecting the "This Phone", "This iPad","This Tablet" etc. When "This Phone" has been selected all music playable by the smart device will be cataloged and listed in categories such as Artists, Albums, Tracks, Playlists etc.

3.4.2. Simply select the category you wish to list by and navigate to your chosen music.

3.4.3. Once you've found a track or album you want to play, simply click on it to begin listening in your chosen Zone.

3.4.4. If you're already listening to a track, you can select to play next (immediately following the current track), or later (following any other tracks you've already queued up).

Fig.8



3.4.5. Once a device is direct streaming to a zone, other zones can join the zone and listen but can't select content. Additional zones have transport control. Local joined zones have volume and mute control as well as the ability to leave the group.

3.4.6. The number of smart devices used in a system can't exceed the number of Player zones available. i.e. A three zone system can have a maximum of three smart devices connected and streaming simultaneously.

3.4.7. Any file format the smart device can play, direct stream supports.

3.5. Music Library – USB Hard Drive or Memory Stick

3.5.1. Existing personal music is easily shared with the entire system by plugging a USB storage device into any of the three USB ports on the back of the Nuvo unit as shown in Fig.9.

Fig.9

3.5.2. The player will automatically scan the drives content and add it with its associated album art to the system's music library. Not all USB drives are supported natively by the USB port as current draw is limited. If a device that exceeds this is used, an external power supply must be used.

3.6. Line In / Out

3.6.1. Each zone (room) has a 3.5 mm stereo audio Line In and Out on the rear panel of the Nuvo unit. This input allows any local zone analog music source to be plugged in and added to the system as an additional source input or the output of the system to be connected to a subwoofer for example.

Fig.10

3.6.2. Local Audio Input / Output Kit

Note : If you wish to connect a device which is in a room, rather than near the cabinet, you will need a spare Ethernet Socket in that room, as comes with Hip SmartHub and Hip SmartTV. You'll also need a Local Audio Input/Output Kit. Please contact us for more details.

3.7. Settings Menu

The Settings menu has several selections important to the system's control and operation. Access to Settings is made through the "Settings" button located at the bottom of the Dashboard. See fig.11.

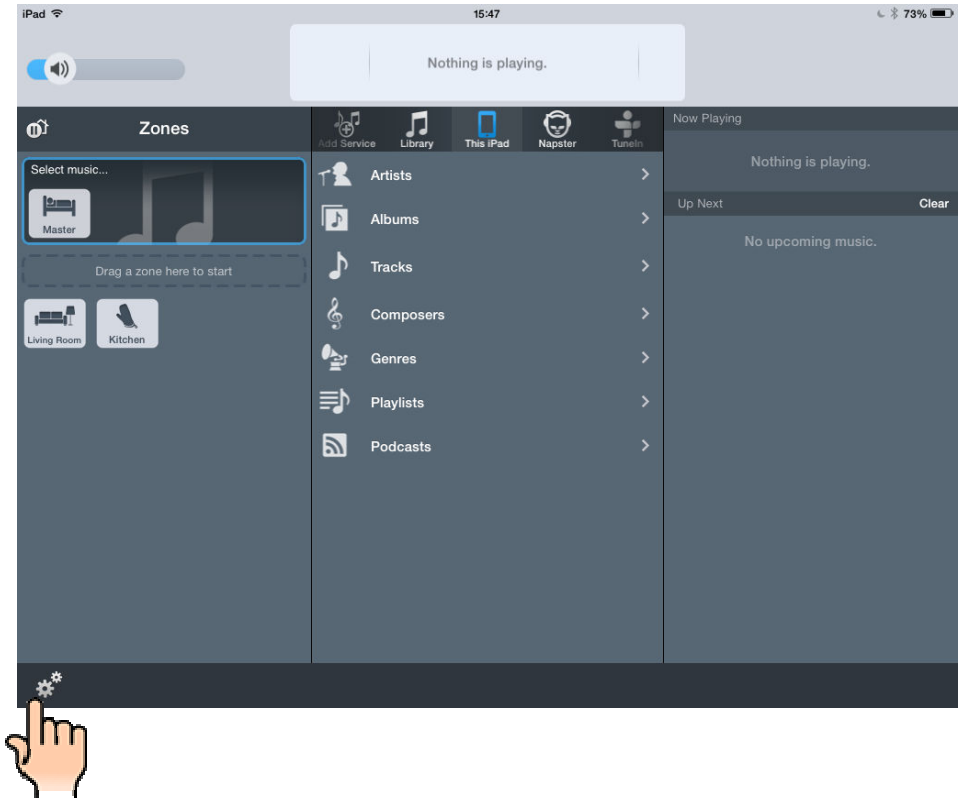


Fig.11

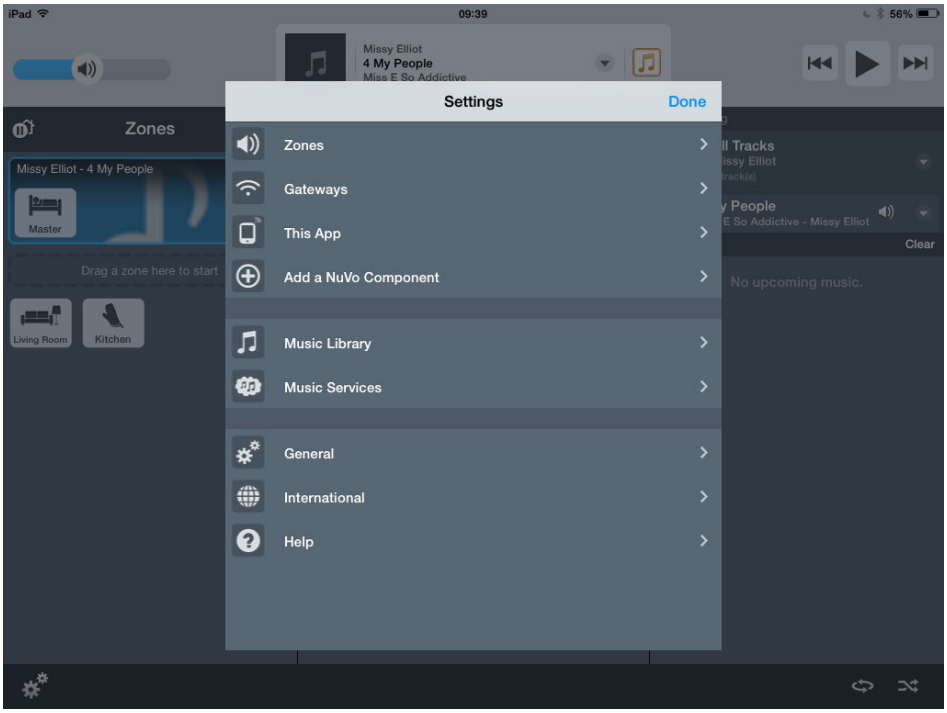


Fig.12

3.8. Zones

Selecting "Zones" in the Settings menu, see fig.12, provides several controls for audio playback and functionality. When the "Zones" button is touched , the app will display the choice of zones within the system. When one of the zones is selected, its individual settings and controls will be available, as shown in fig. 13.

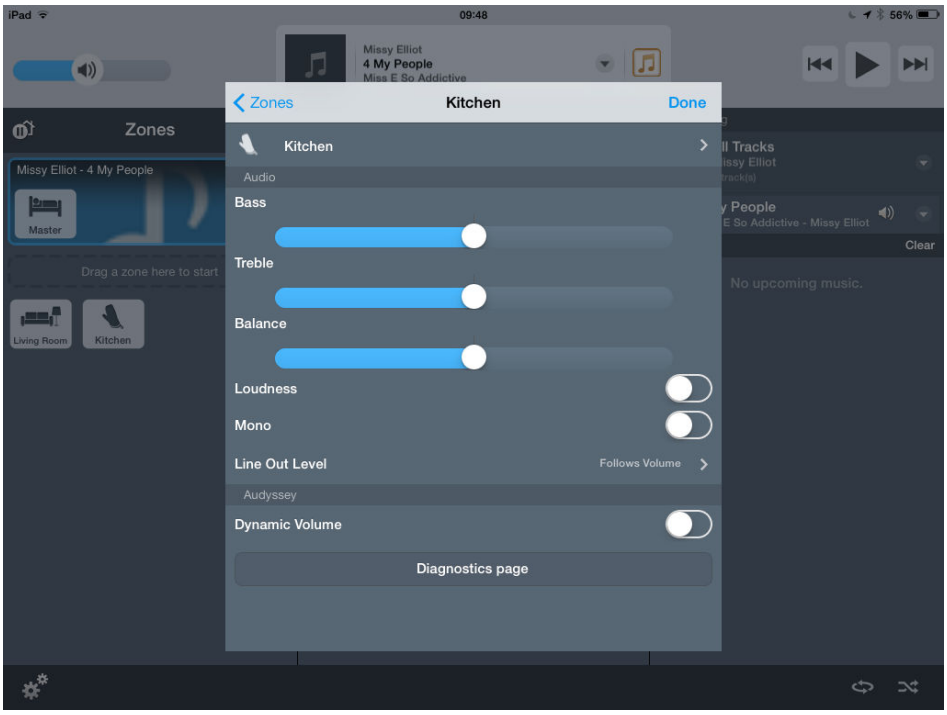


Fig.13

3.9. Gateways

3.9.1. This feature is not used in the standard setup. A wireless Gateway can be added to the system to expand the system wirelessly into more rooms. Contact us for further information.

3.10. This App

3.10.1. Here there is a demonstration of how the App works. Also if you are experiencing difficulties with the app, you can reset it here.

3.11. Add a NuVo Component

3.11.1. Please contact us for further information on expanding your system.

3.12. Music Library – Share music form a PC, Mac or Nas Drive

3.12.1. If you have music stored on a PC, Mac or NAS Drive, this can also be shared with your system using the Music Share Software. The Music Share Software allows music content from either shared network locations or libraries contained on personal computers to be streamed to any zone in the system.

3.12.2. From your computer, go to www.nuvotechnologies .com/musicshare to download the software from the NuVo website.

3.12.3. Follow the prompts for installing the software.

3.12.4. When the software is opened, it will connect to the network and display a blank music share page, as shown in fig.14

Fig.14

3.12.5. Click on the "Add new" button at the top of the window. The music share choices will open in the next window, as shown in fig.15. "My Music" folder is the default location for Windows Media Player libraries.

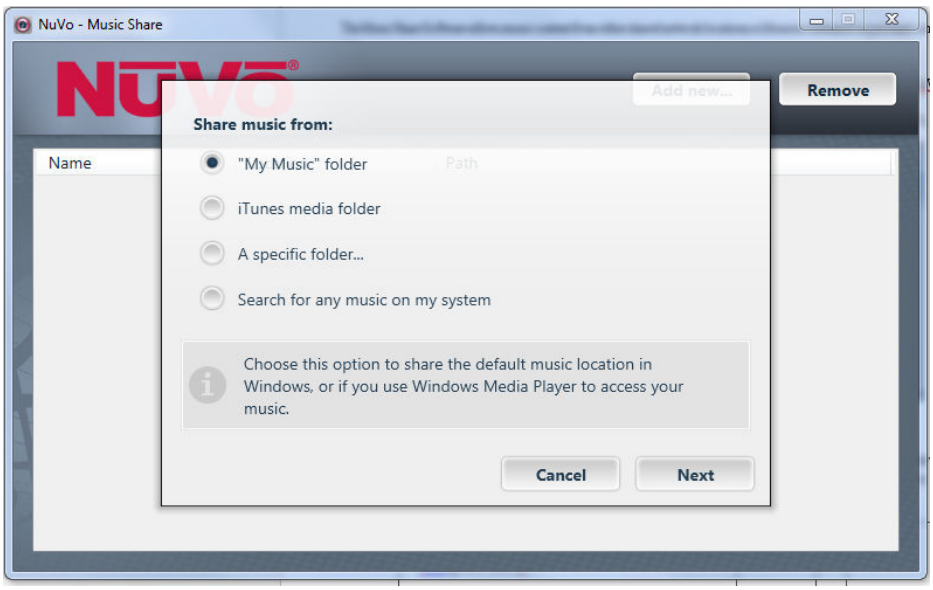

NuVo - Music Share
NUVO
Remove
Share music from:
"My Music" folder
iTunes media folder
A specific folder...
Search for any music on my system
Choose this option to share the default music location in Windows, or if you use Windows Media Player to access your music.
Cancel
Next
Name

Fig.15

3.12.6. If your music is stored on a Mac computer, or your preferred music library software is in iTunes, then select "iTunes media folder". When a selection is made, you will see a progress window, as shown in fig.16.

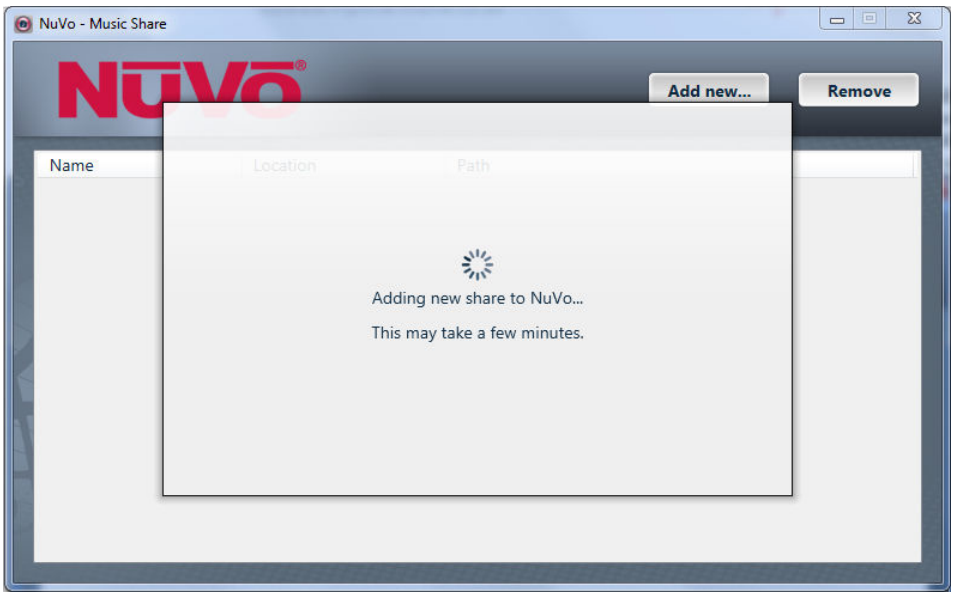


Fig.16

3.12.7. All shared folders and drives will be displayed in the software, as shown in fig. 14. The software can be opened at any time and content can be added or removed. Note that if you are sharing a personal library located on a personal computer hard drive, the software must actually be downloaded to that computer before the share is created .Once the share directory is created, it is not necessary to keep the Music Share Software open, although the computer hosting the music content must be active on the same network as the system for that content to be available for music playback.

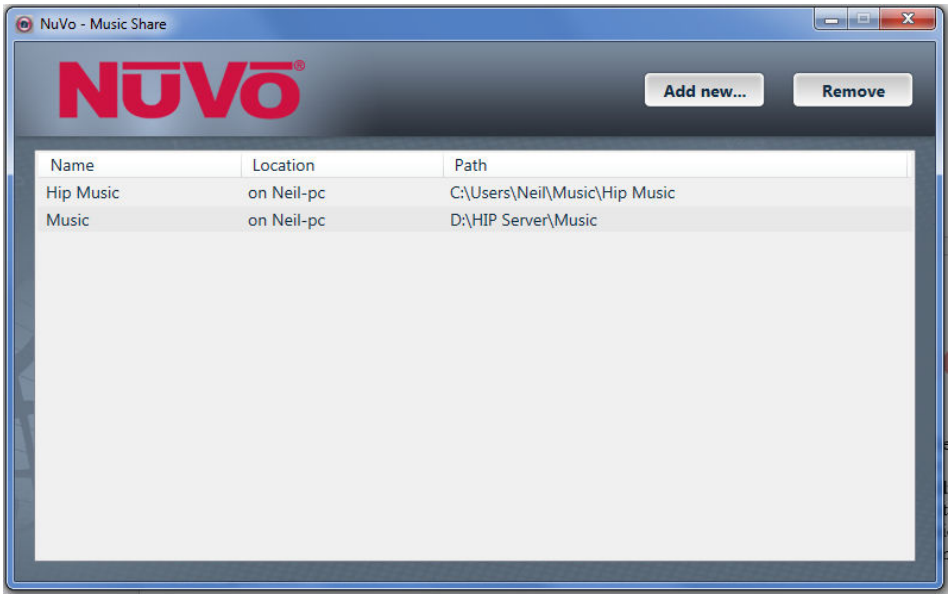


Fig.14

3.12.8. Once music is added and you select "Music Library"in the Settings Menu on the, the Music Library screen will display the shared locations and the number of songs and file size of the accumulated library, as shown in fig. 15.

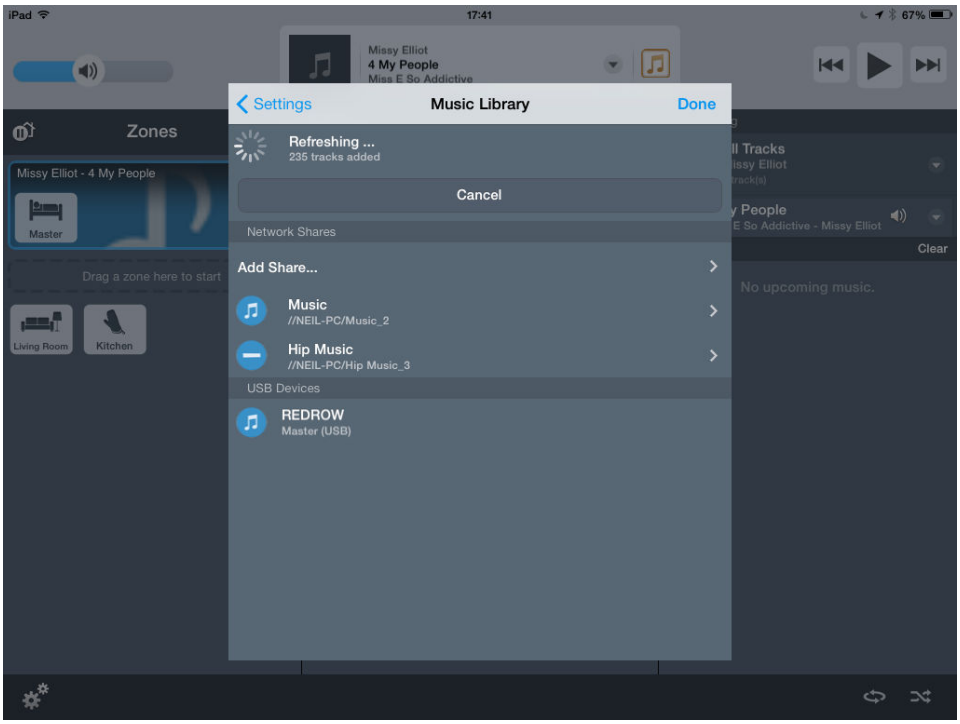


Fig.15

3.12.9. An additional selection "Add Share" will allow you to type in the network path to a directory or shared drive with music content, as shown in fig.16. When a new library is added, it may take time for the content to be refreshed. The length of time depends on the amount of content.

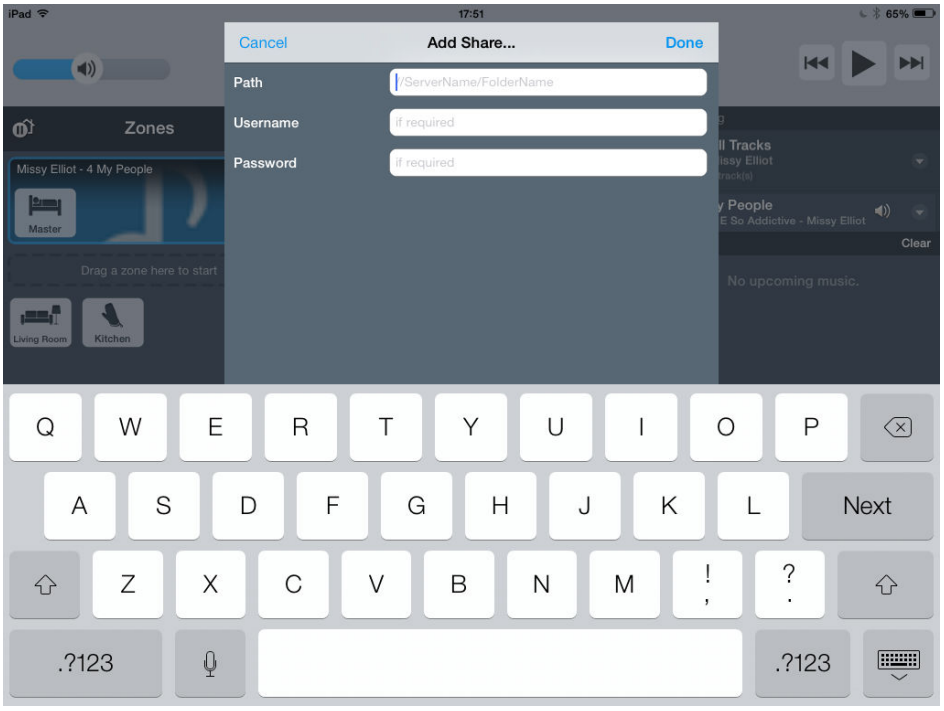


Fig.16

3.13. Music Services

3.13.1. The system has the ability to stream music direct from on-line music services. The currently supported services include, **TuneIn (radio)**, **Napster** and **Deezer**. Spotify is set for release some time in 2015 at which point it will be made available via an app update. TuneIn is free of charge and can play all your usual Radio stations and thousands more besides. Napster and Deezer are subscription services but allow you to listen to the vast majority of all music released and work fantastically well with the system.

3.13.2. When "Music Services" is selected, the active streaming music services on the system will be displayed, as shown in fig.17. The TuneIn Radio service doesn't require a TuneIn account to operate so will appear by default.

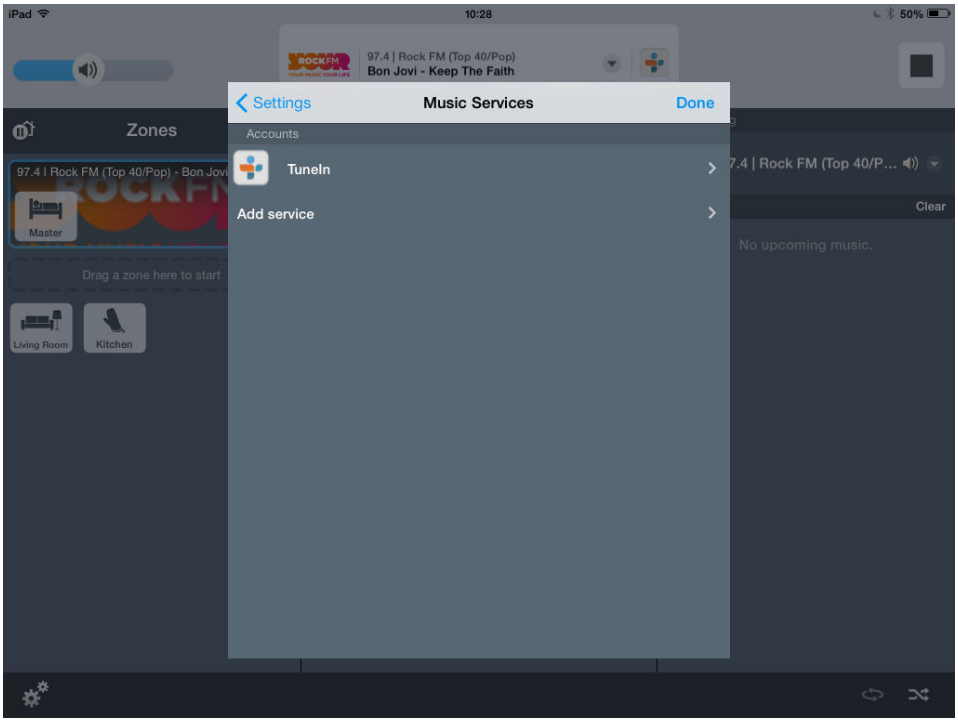


Fig.17

3.13.3. It also provides a button for adding new services. Most services require an online subscription account. The associated user name and password for the account must be added in this selection for the service to be active on the system.

3.14. General

3.14.1. When "General", the menu will display four important choices for information about the components of the system, as shown in fig. 18. The first choice, "About", gives specific component information for each zone, as shown in fig. 19.

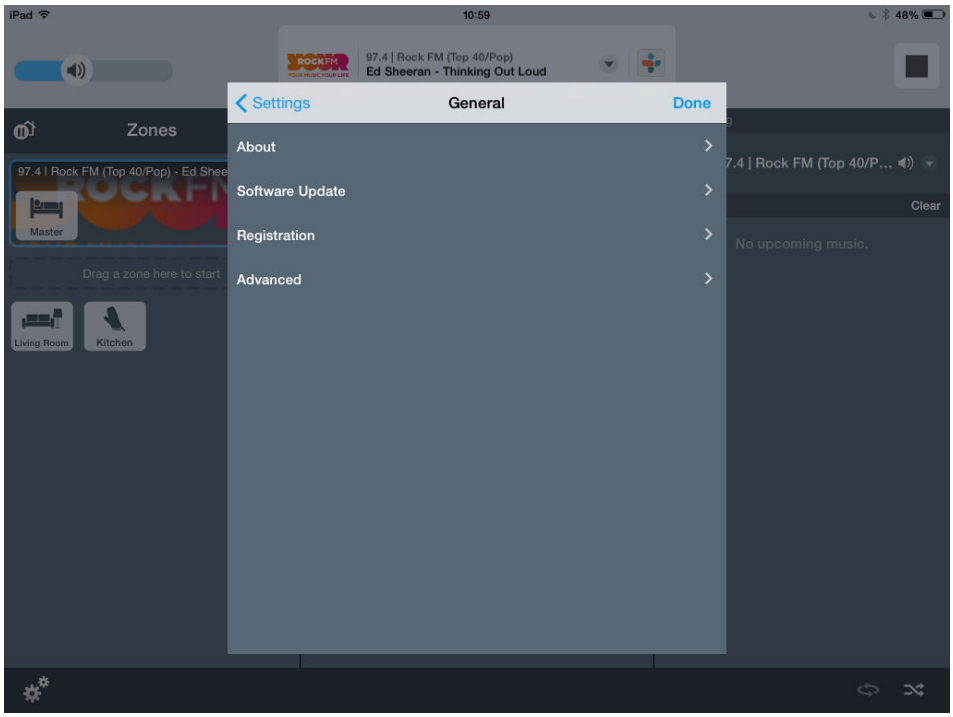


Fig.18

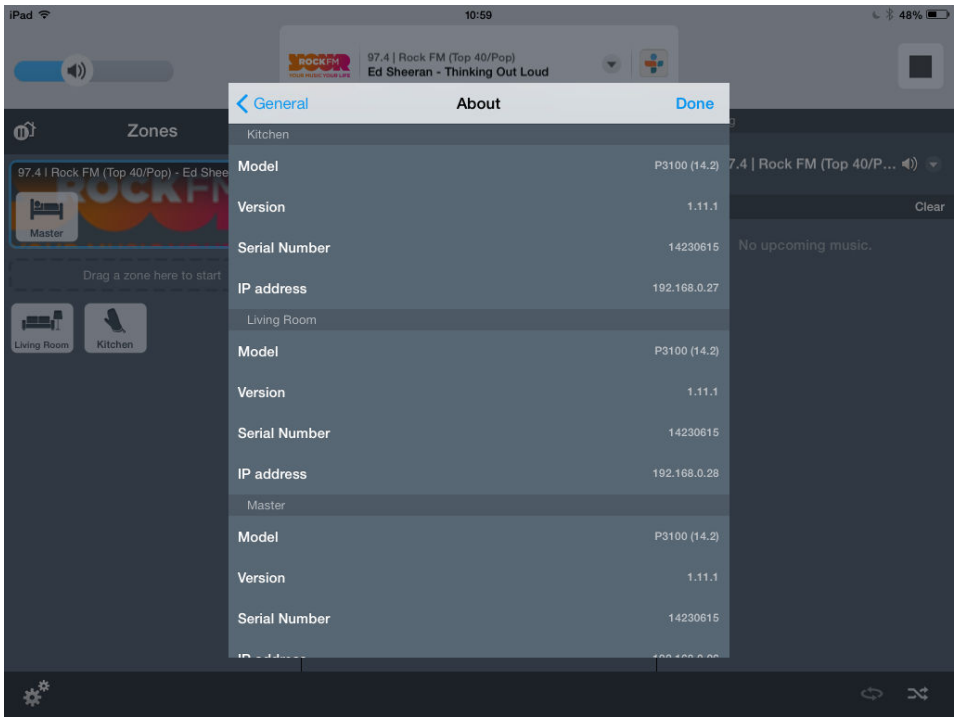


Fig.19

3.14.2. "Software Update" will show any software updates that may be available, and allow for easy updates, as shown in fig20. Typically any updates will pop up on the app. An important advantage for the user is that the update is already downloaded in the background and once "install" is selected all the zones in the system will automatically be updated.

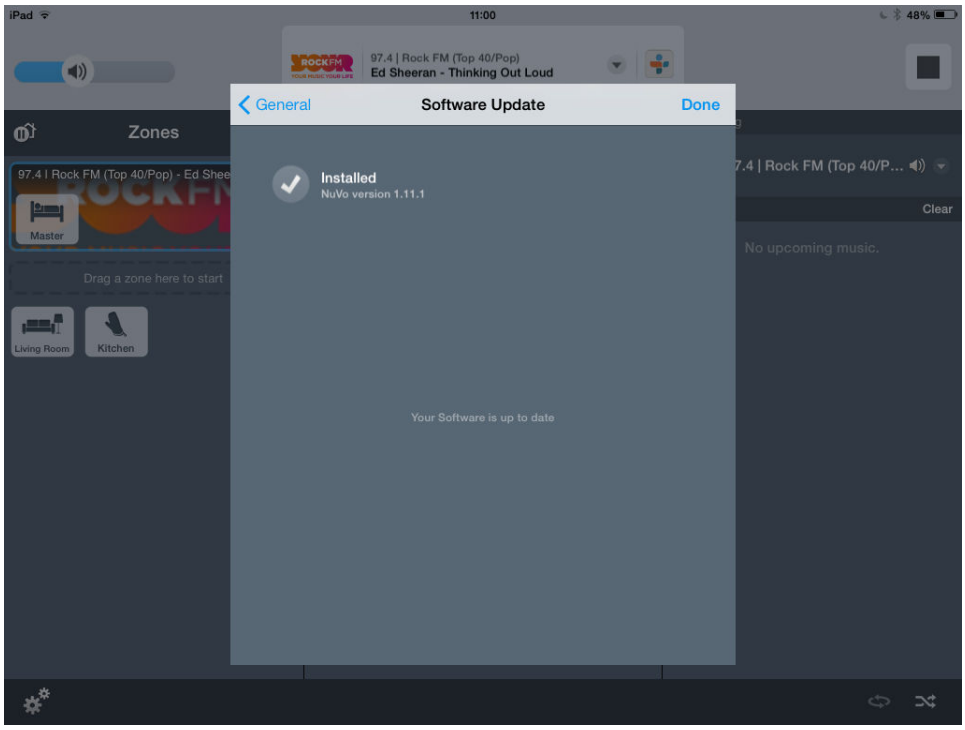


Fig.20

3.14.3. "Registration" will open the product warranty registration page, as shown in fig.21. Please register your system immediately for your two year system warranty.

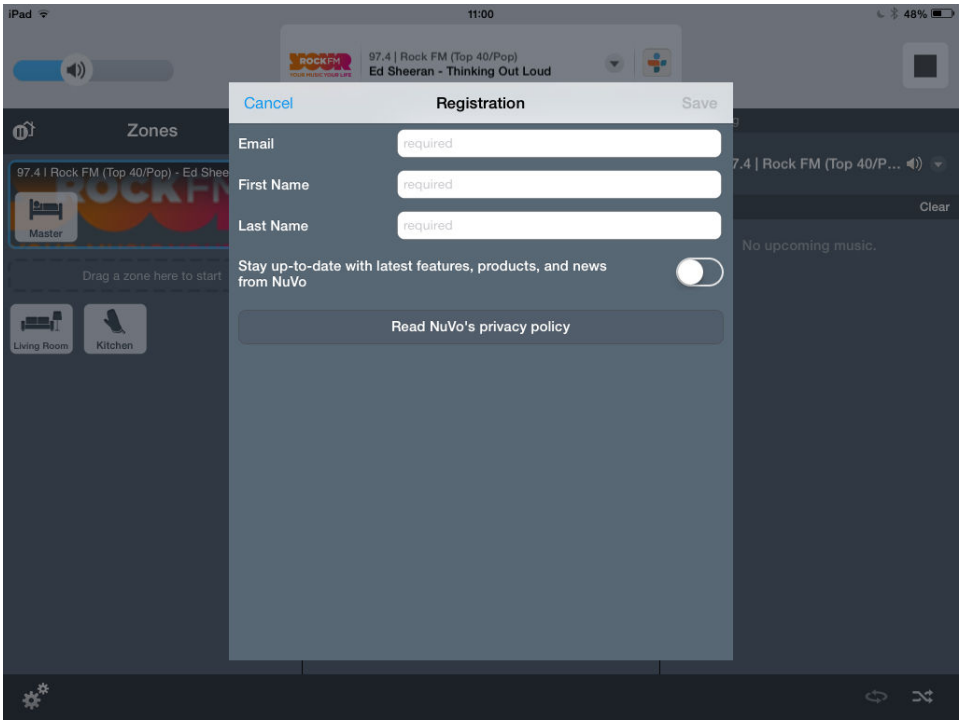


Fig.21

3.14.4. Pressing “Advanced” gives you the option of re-booting the system.

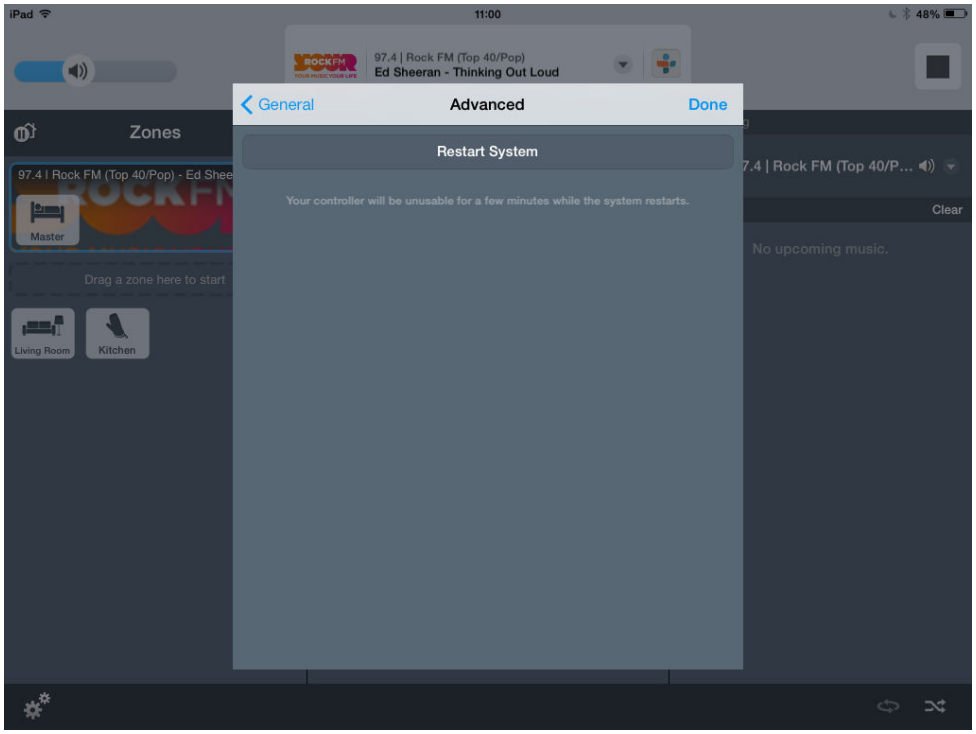


Fig.22

3.15. International

3.15.1. “International” provides a location setting which allows the system to display the on-line services available in your region.

3.16. Help

3.16.1. The **"Help"** button has links to contact NuVo directly or reference information on other system components. If you have any issues, please contact ourselves via our website at **www.hipsmarthome.co.uk.**

3.17. Troubleshooting

3.17.1. Front Panel LEDs

An important indicator of each zone's operation is the LED light on the front panel of the zone players. The color and either solid or flashing state of the LED provides a visual reference for the player's state of operation. Refer to the chart for an explanation of the functions and LED status.

LED Color	State of Zone Player	Explanation
	Not Lit	Zone player is not powered on.
	Solid White	Zone player is connected to the network and in normal operation.
	Flashing White	Zone player processor is busy; it should return to solid white.
	Solid Red	Hard failure. There is no network communication. Reboot by turning the power off and back on.
	Flashing Red	If the LED is flashing Red, its state indicates that the zone player is no longer seeing the network.
	Solid Green	Uninitialized state. It will become solid white when the zone player is added to a system and acquires a network address.
	Flashing Green	Busy uninitialized state. This is normal during the zone setup process. The LED will turn white at the completion of the zone setup. It also means that the zone is updating to a new version. Do not unplug during this process. At the completion of the update it will return to solid white.
	Solid Cyan	Zone is muted. When it is taken out of mute, it will return to solid white.
	Flashing Blue	This indicates that the P200 is in Bluetooth discovery mode.

3.17.2. Not Connected

A common indicator for lack of communication with the system is the app's "Not Connected"screen,as shown in fig. 23. This screen appea rswhen the controller is unable to see the zones in the system. There are several potential causes and remedies for this state that are important for troubleshooting.

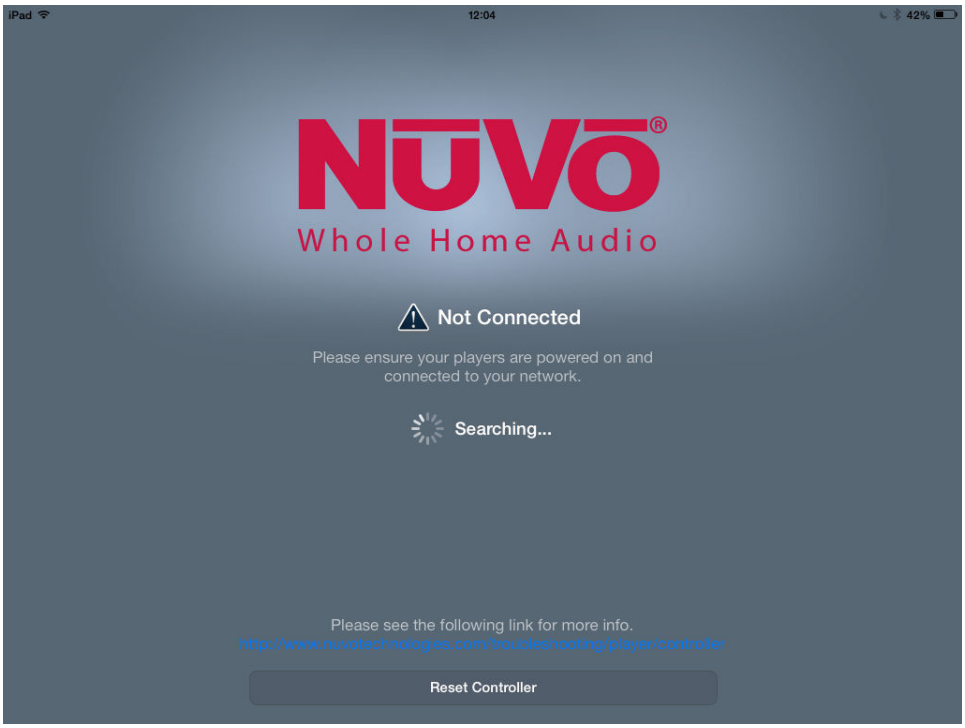


Fig.23

1. Look in the network settings of your control device and verify that it is connected to the same network as the NuVo System.

2. This may sound relatively simple, but check the power status of the Zones on the front panel of the NuVo unit. They should have a solid white (cyan if in Mute) LED light on the front panel.

3. Make sure that one or more of the zones are not offline. This state would be indicated by a flashing red LED on the front panel. This can occur as a momentary state, in which case the LED will return to a solid white when the network connection is restored.

   This is often corrected by simply turning off and restoring power to the player. Once it is rebooted it should have a solid white LED on the front panel. If that does not restore a connection, reset the player defaults by turning the power off and back on.

When the front panel LED lights up, follow the steps outlined in section 3.17.3 Restoring Defaults. When that process is complete the player will have a solid green LED. Repeat the zone player setup procedure from the control app, see section XXX Adding Zones to an Existing System. When the zone is reconnected the front panel LED should once again be solid white.

4. Check the NuVo's connection to the network's router. Reboot if necessary by unplugging the power cable and plugging it back in.

5. Occasionally home routers go offline. This is typically corrected by rebooting the router.

3.17.3. Restoring Defaults

An important troubleshooting step is to restore defaults on the zones of the NuVo unit. If a hard failure occurs, which results in a solid red LED, or the boot up process does not complete correctly, which will result in a flashing white LED, you should follow these steps to return the zone to its original factory state.

The following steps must be performed independently on each zone of the NuVo unit or on any individual zone if only one zone is affected.

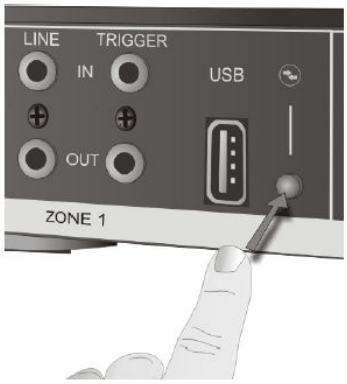


Fig.24

1. Turn off the power using the power switch on the back panel above the AC plug.

2. Turn the power back on and look for a white LED to light up. Note the Zone lights are upside down compared to the buttons. See 3.1.3 to see which Zone relates to which room.

3. As soon as you see a white LED, touch the zone setup button, as shown in fig. 24. There are three of these, one for each Zone. Your NuVo unit has been labelled with the Zone Name above each zone setup button.

4. When the LED appears green, release the button.

5. The LED will flash green, then white.

6. When the LED becomes solid green, the process is complete and the defaults have been restored.

7. Once a zone is reset, you will need to re-setup the zone as described in 3.17.4. If you are resetting all zones, you will need to Setup a New System as described in 3.17.5.

3.17.4. Re-Setting up a Zone

The Zone must be reset as described above before setting up. This state is indicated by a solid green light. Once you have a solid green light proceed as follows;

1. From the Settings Menu, select Add a Nuvo Component.

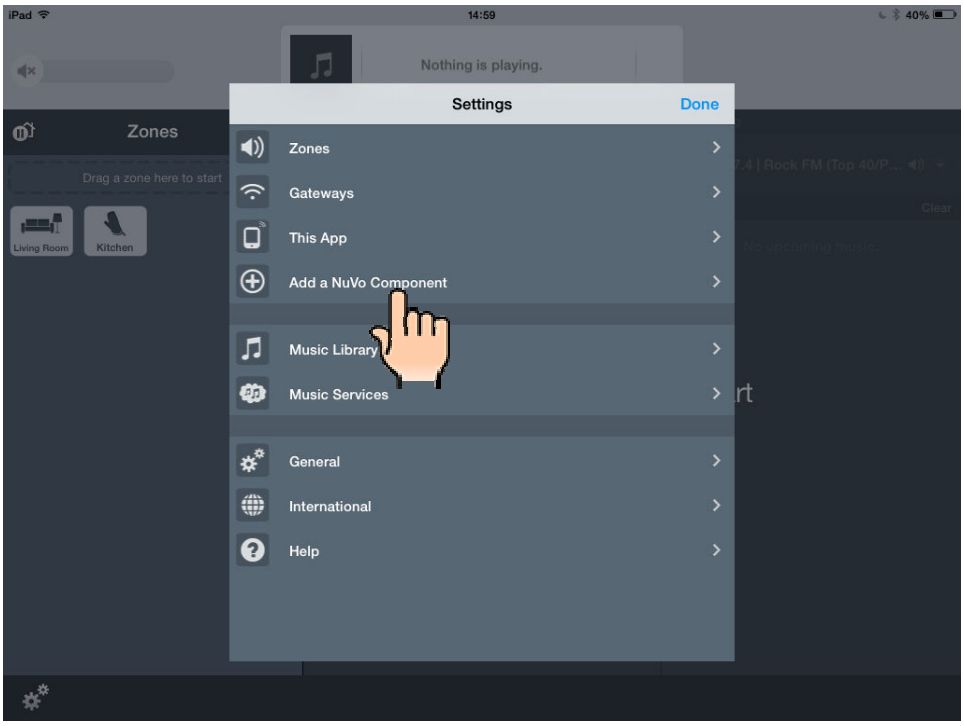


Fig.25

2. Once Add a Nuvo Component is selected the following screen will appear. Click Next.

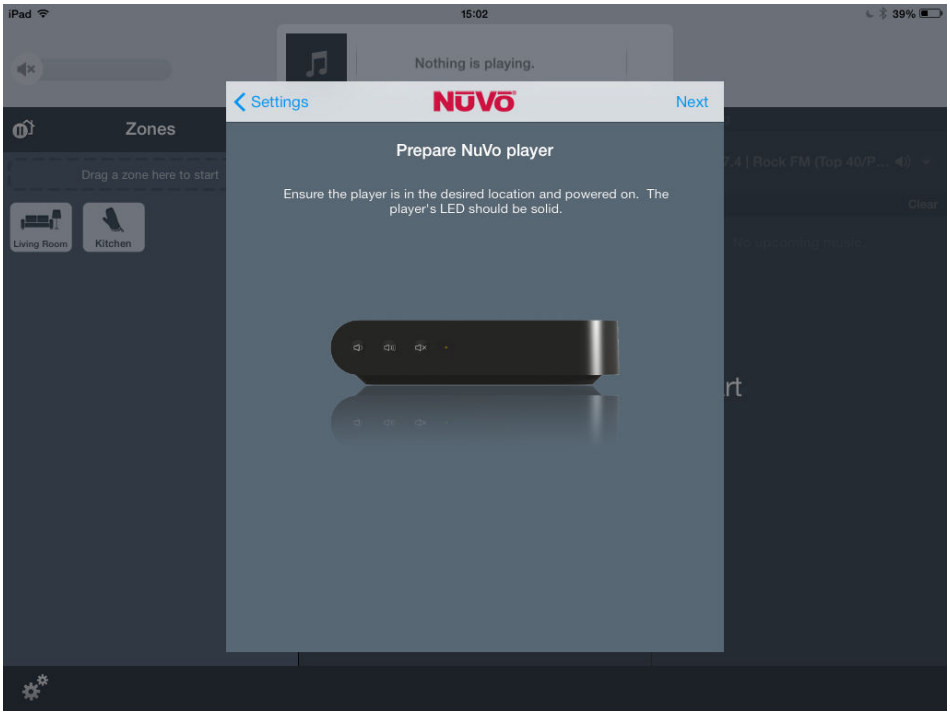


Fig.26

3. The following screen will appear.

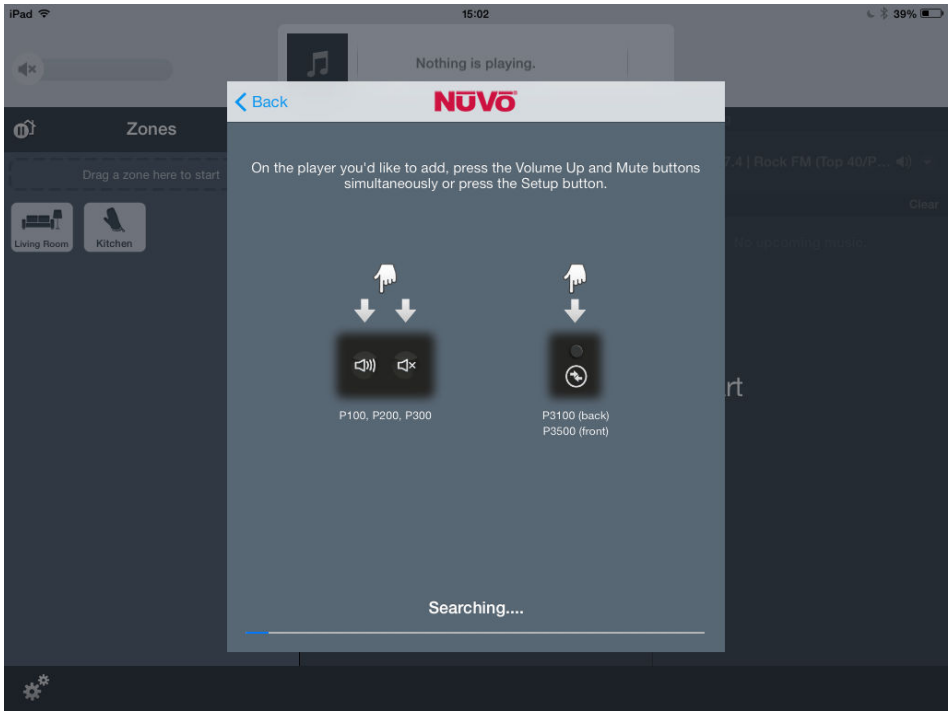


Fig.27

4. On the back of the NuVo unit, press the Zone Setup button for the Zone you are setting up. There are three of these, one for each Zone. Your NuVo unit has been labelled with the Zone Name above each zone setup button.

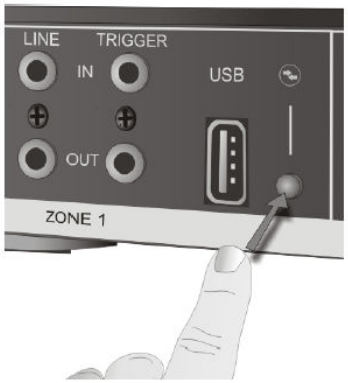
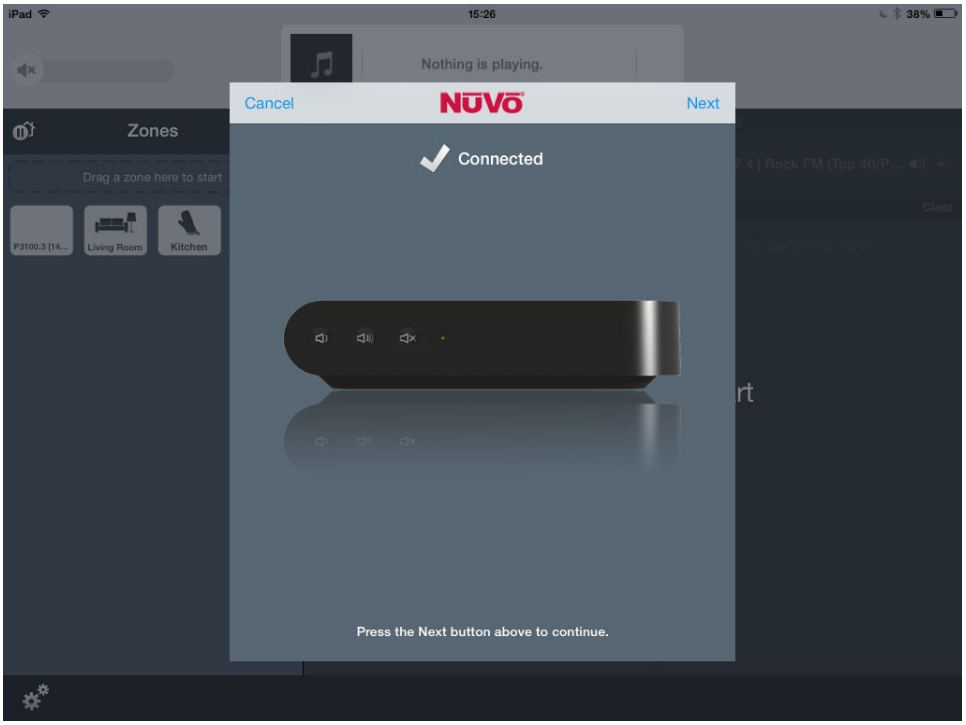
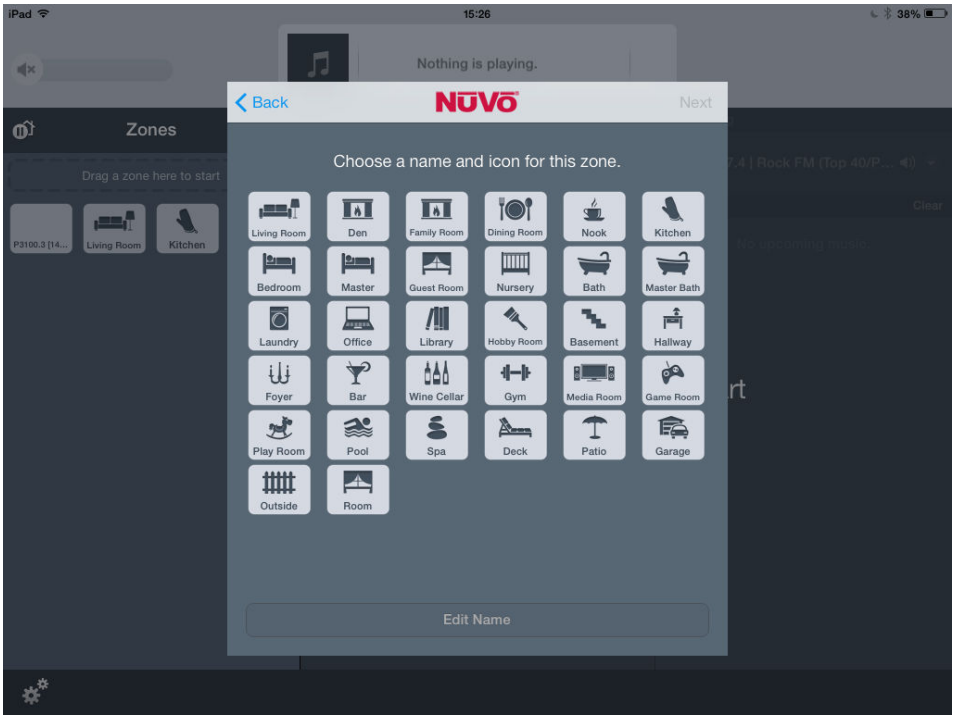


Fig.28

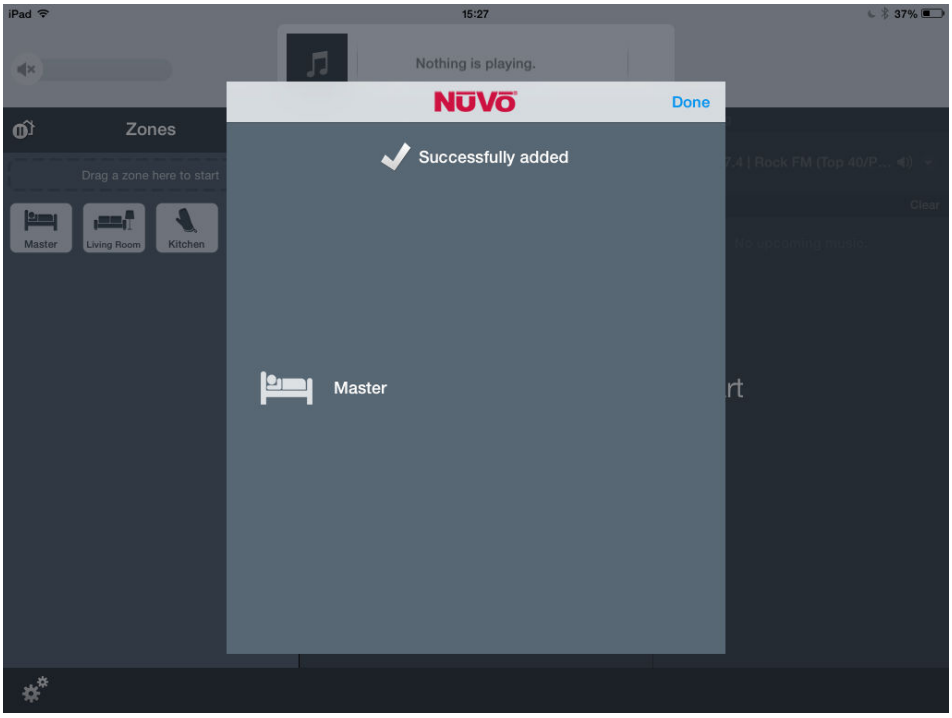
5. After approx 10-40 seconds (be patient) the following screen will appear. Click Next.



6. The following screen will appear. Select what you wish to call the room and select Next.



7. The following Screen will appear. Select Done.



3.18. Music System Specification

Input/Output Connectors	
Line Input	3 - TRS 3.5 mm stereo jack
Line Output	3 - TRS 3.5 mm stereo jack
Trigger Input	3 -TS 3.5 mm stereo jack
Trigger Output	3 -TS 3.5 mm stereo jack
Speaker Output	3 - (4 contact) Pluggable
USB 2.0 Connection (Type A)	3
Local Area Network (LAN)	1 - Dual RJ45

Supported Audio Formats	
Music File (USB or over network)	MP3 (.mp3)
	WMA (.wma)
	AAC (.aac/.mp4a/.mp4)
	Ogg Vorbis (.ogg)
	FLAC (.flac)
	WAV (.wav)
Internet Radio	Pandora
	Sirius/XM
	Rhapsody
	TuneIn
	Deezer
Playlist Support	WPL
	M3U
	PLS
I	Tunes

IP Control	
	Apple iTouch®
	Apple iPhone®
	Apple iPad®
	Android Mobile
	Android Tablet

Network Connectivity	
LAN (Wired Connection)	10/100Base-T Ethernet
	Internal Ethernet switch to 3 independent zone nodes

Amplifier Output (typical of 3 zones)	
Rated Output Power (8 ohm)	40W (20W x 2)
Two channels driven	20 Hz – 20 KHz @ 0.5% distortion
Rated Distortion (1/2 Power)	0.20%
Speaker Impedance	6 – 8 ohms
Frequency Response (20 - 20kHz)	+/-0.5 dB
Damping Factor	50+
Signal-to-Noise Ratio, rated output	92 dB A – weighted

Line Output:	
Output Level	0-2.0 V RMS
Output Impedance	5 Ohms
Signal-to-Noise Ratio, rated output	91 dB A – weighted

Line Input:	
Input Impedance	10 KOhms
Input Overload	2.3 V RMS

Audio Processing	
Audyssey Dynamic Volume™	
Bass Equalization	+/-12 dB range
Treble Equalization	+/-12 dB range
Balance	

Regulatory Approvals	
Safety	cTUVus, CE-LVD
EMC	FCC, IC, CE-EMC, C-Tick
Environmental Europe	RoHS

Power Requirements	
Input Voltage	100 – 240VAC, 50/60 Hz
Power Consumption (max)	200 W
(typical – 3 zones, 1/8 audio power)	42 W

Operating Temperature	
	0˚C to 40˚C

Physical Specifications	
Unit Size without feet (mm)	44 H x 430 W x 250 D
Unit Size without feet (inch)	1.73 H x 16.93 W x 9.84 D
Unit Size with feet (mm)	54 H x 430 W x 250 D
Unit Size with feet (inch)	2.13 H x 16.93 W x 9.84 D
Unit Weight (kg)	2.81
Unit Weight (pounds)	6.20

Shipping Specifications	
Unit Size (mm)	565 D x 328 W x 130 H
Unit Size (inch)	22.24 D x 12.91 W x 5.12 H
Unit Weight (kg)	3.50
Unit Weight (pounds)	7.72

NuVo reserves the right to change specifications without notice.